Nuclear Engineering and Design 114 (1989) 437–438
North-Holland, Amsterdam

AUTHOR INDEX TO VOLUME 114

Ajwah, Y., see Gündüz 114 (1989) 125

Bastien, D., see Rastoin 114 (1989) 187
Benallal, A., P. Le Gallo and D. Marquis, An experimental investigation of 316 stainless steel and of 2024 aluminium alloy under multi-axial loadings 114 (1989) 345
Bertron, L., Nuclear plant life expectancy indicators 114 (1989) 229
Breitbach, G., Finite element analysis of loaded structures at very high temperatures 114 (1989) 155

Caumon, H., see Chrysochoos 114 (1989) 323
Cheng, S.C., see Groeneveld 114 (1989) 61
Chezeaux, J.C., see Chrysochoos 114 (1989) 323
Chrysochoos, A., O. Maisonneuve, G. Martin, H. Caumon and J.C. Chezeaux, Plastic and dissipated work and stored energy 114 (1989) 323
Corsi, F., see White 114 (1989) 379

Delobelle, P., F. Trivaudey and C. Oytana, High temperature creep damage under biaxial loading: INCO 718 and 316 (17-12 SPH) steels 114 (1989) 365
Dhalla, A.K., Nonlinear structural analysis methods and their application to elevated temperature design: A US perspective 114 (1989) 415
Duthie, J.C., A method to assess the seismic response of a fast reactor core with barrel restraint 114 (1989) 53

Fougeres, R. and F. Sidoroff, the evolutive masing model and its application to cyclic plasticity and ageing 114 (1989) 273

Grebner, H. and A. Höfler, Analysis of a pipe elbow with longitudinal through crack 114 (1989) 147
Groeneveld, D.C., S.C. Cheng, L.K.H. Leung and C. Nguyen, Computation of single- and two-phase heat transfer rates suitable for water-cooled tubes and subchannels 114 (1989) 61
Gündüz, G. and Y. Ajwah, The effect of soluble boron on the burnup at different enrichments and assemblies 114 (1989) 125

Höfler, A., see Grebner 114 (1989) 147
Hughes, T.J.R., New directions in computational mechanics 114 (1989) 197

Igari, T., see Inoue 114 (1989) 295
Igari, T., see Inoue 114 (1989) 311
Ikegami, K. and Y. Niitsu, Effects of complex loadings on plastic deformation of stainless steel (SUS 304) at high temperature 114 (1989) 355
Inoue, T., T. Igari, M. Okazaki, M. Sakane and K. Tokimasa, Fatigue-creep like prediction of $2\frac{1}{4}$ Cr–1Mo steel by inelastic analysis 114 (1989) 311
Inoue, T., N. Ohno, A. Suzuki and T. Igari, Evaluation of inelastic constitutive models under plasticity-creep interaction for $2\frac{1}{4}$ Cr–1 Mo steel at 600 °C 114 (1989) 295
Ishizuka, T., see Morooka 114 (1989) 91

Jakeman, R.R., see White 114 (1989) 379

Kalnins, A. and D.P. Updike, Elasto-plastic analysis of thin shells under thermal transients 114 (1989) 385
Kato, M., Review of revised Japanese seismic guidelines for NPP design 114 (1989) 211
Kennedy, J.M., see Pfeiffer 114 (1989) 33
Kiener, E., Political aspects of nuclear energy 114 (1989) 171
Kollmann, F.G., Viscoplastic deformation of rotating thin walled disks 114 (1989) 405
Komai, T., see Ohno 114 (1989) 335
Konstantinov, L.V., On the safety of nuclear power plants 114 (1989) 177
Krishnan, S.A., see Srinivasan 114 (1989) 193

Le Gallo, P., see Benallal 114 (1989) 345
Leung, L.K.H., see Groeneveld 114 (1989) 61

Maisonneuve, O., see Chrysochoos 114 (1989) 323
Marigo, J.J., Constitutive relations in plasticity, damage and fracture mechanics based on a work property 114 (1989) 249
Marquis, D., see Benallal 114 (1989) 345
Martin, G., see Chrysochoos 114 (1989) 323
Messmer, S. and M. Sayir, Dynamic elastic-plastic behaviour of a frame including coupled bending and torsion 114 (1989) 395
Morooka, S., T. Ishizuka, M. Iizuka and K. Yoshimura, Experimental study on void fraction in a simulated BWR fuel assembly 114 (1989) 91

Nguyen, C., see Groeneveld 114 (1989) 61
Nichols, R.W., A review of work related to defining the reliability of non-destructive testing 114 (1989) 1
Niitsu, Y., see Ikegami 114 (1989) 355

Ohno, N., T. Komai and M. Šatra, Comparison between an improved simplified method and a detailed one for the elastic-plastic analysis of cyclically loaded structures 114 (1989) 335
Ohno, N., see Inoue 114 (1989) 295
Okazaki, M., see Inoue 114 (1989) 311
Oytana, C., see Delobelle 114 (1989) 365

Pfeiffer, Ph. A. and J.M. Kennedy, Free drop impact analysis of shipping cask 114 (1989) 33

Rastoin, J. and D. Bastien, The nuclear fuel cycle 114 (1989) 187
Razzaghi, M., Droplet size estimation of two-phase flashing jets 114 (1989) 115

Sakane, M., see Inoue 114 (1989) 311
Šatra, M., see Ohno 114 (1989) 335
Sayir, M., see Messmer 114 (1989) 395
Schuëller, G.I., Reliability of nuclear structures 114 (1989) 235
Sidoroff, F., see Fougeres 114 (1989) 273
Srinivasan, M.R. and S.A. Krishnan, Nuclear technology in developing countries 114 (1989) 193
Steck, E.A., A stochastic model for the interaction of plasticity and creep in metals 114 (1989) 285
Suzuki, A., see Inoue 114 (1989) 295

Tanji, J., Dynamic analysis program for hydraulic piping systems in nuclear power plants 114 (1989) 79
Tayal, M., The finite element code FEAT to calculate temperatures in solids or arbitrary shapes 114 (1989) 99
Terzaghi, A., see White 114 (1989) 379
Tokimasa, K., see Inoue 114 (1989) 311
Trivaudey, F., see Delobelle 114 (1989) 365

Updike, D.P., see Kalnins 114 (1989) 385

White, P.S., R.R. Jakeman, F. Corsi and A. Terzaghi, CEC inelastic benchmark exercise on a two-bar structure subjected to cyclic thermal loading 114 (1989) 379

Yoshimura, K., see Morooka 114 (1989) 91
Youtsos, A.G., Impact of structural steel flexibility and restraints gaps on the dynamic behaviour of piping 114 (1989) 135

Nuclear Engineering and Design 114 (1989) 439–440
North-Holland, Amsterdam

SUBJECT INDEX TO VOLUME 114

Thermal and fluid design

Computation of single- and two-phase heat transfer rates suitable for water-cooled tubes and subchannels, D.C. Groeneveld, S.C. Cheng, L.K.H. Leung and C. Nguyen 114 (1989) 61
Dynamic analysis program for hydraulic piping systems in nuclear power plants, J. Tanji 114 (1989) 79
Experimental study on void fraction in a simulated BWR fuel assembly, S. Morooka, T. Ishizuka, M. Iizuka and K. Yoshimura 114 (1989) 91
The finite element code FEAT to calculate temperatures in solids of arbitrary shapes, M. Tayal 114 (1989) 99
Droplet size estimation of two-phase flashing jets, M. Razzaghi 144 (1989) 115

Engineering mechanics

Free drop impact analysis of shipping cask, Ph.A. Pfeiffer and J.M. Kennedy 114 (1989) 33
A method to assess the seismic response of a fast reactor core with barrel restrain, J.C. Duthie 114 (1989) 53
Finite element analysis of loaded structures at very high temperatures, G. Breitbach 114 (1989) 155
New directions in computational mechanics, T.J.R. Hughes 114 (1989) 197
Constitutive relations in plasticity, damage and fracture mechanics based on a work property, J.J. Marigo 114 (1989) 249
The evolutive Masing model and its application to cycle plasticity and ageing, R. Fougeres and F. Sidoroff 114 (1989) 273
A stochastic model for the interaction of plasticity and creep in metals, E.A. Steck 114 (1989) 285
Fatigue-creep life prediction of $2\frac{1}{4}$Cr–1Mo steel by inelastic analysis, T. Inoue, T. Igari, M. Okazaki, M. Sakane and K. Tokimasa 114 (1989) 311
Plastic and dissipated work and stored energy, A. Chrysochoos, O. Maisonneuve, G. Martin, H. Caumon and J.C. Chezeaux 114 (1989) 323
Comparison between an improved simplified method and a detailed one for the elastic-plastic analysis of cyclically loaded, N. Ohno, T. Komai and M. Šatra 114 (1989) 335
Effects of complex loadings on plastic deformation of stainless steel (SUS 304) at high temperature, K. Ikegami and Y. Niitsu 114 (1989) 355
High temperature creep damage under biaxial loading: INCO 718 and 316 (17-12 SPH) steels, P. Delobelle, F. Trivaudey and C. Oytana 114 (1989) 365
Elasto-plastic analysis of thin shells under thermal transients, A. Kalnins and D.P. Updike 114 (1989) 385
Dynamic elastic-plastic behaviour of a frame including coupled bending and torsion, S. Messmer and M. Sayir 114 (1989) 395
Viscoplastic deformation of rotating thin-walled disks, F.G. Kollmann 114 (1989) 405
Nonlinear structural analysis methods and their application to elevated temperature design: a US perspective, A.K. Dhalla 114 (1989) 415

Materials properties

Analysis of a pipe elbow with longitudinal through crack, H. Grebner and A. Höfler 114 (1989) 147
Consitutive relations in plasticity, damage and fracture mechanics based on a work property, J.J. Marigo 114 (1989) 249
The evolutive Masing model and its application to cyclic plasticity and ageing, R. Fougeres and F. Sidoroff 114 (1989) 273
A stochastic model for the interaction of plasticity and creep in metals, E.A. Steck 114 (1989) 285
Evaluation of inelastic constitutive models under plasticity–creep interaction for $2\frac{1}{4}$Cr–1 Mo steel at 600 °C, T. Inoue, N. Ohno, A. Suzuki and T. Igari 114 (1989) 295
Fatigue-creep life prediction of $2\frac{1}{4}$Cr–1Mo steel by inelastic analysis, T. Inoue, T. Igari, M. Okazaki, M. Sakane and K. Tokimasa 114 (1989) 311
An experimental investigation of cyclic hardening of 316 stainless steel and of 2024 aluminium alloy under multiaxial loadings, A. Benallal, P. Le Gallo and D. Marquis 114 (1989) 345
Effects of complex loadings on plastic deformation of stainless steel (SUS 304) at high temperature, K. Ikegami and Y. Niitsu 114 (1989) 355

High temperature creep damage under biaxial loading: INCO 718 and 316 (17-12 SPH) steels, P. Delobelle, F. Trivaudey and C. Oytana 114 (1989) 365

Mechanical design, component fabrication and testing

A review of work related to defining the reliability of non-destructive testing, R.W. Nichols 114 (1989) 1
Impact of structural steel flexibility and restraints gaps on the dynamic behaviour of piping, A.G. Youtsos 114 (1989) 135
Analysis of a pipe elbow with longitudinal through crack, H. Grebner and A. Höfler 114 (1989) 147
Finite element analysis of loaded structures at very high temperatures, G. Breitbach 114 (1989) 155
Review of revised Japanese seismic guidelines for NPP design, M. Kato 114 (1989) 211
CEC inelastic benchmark exercise on a two-bar structure subjected to cyclic thermal loading, P.S. White, R.R. Jakeman, F. Corsi and A. Terzaghi 114 (1989) 379
Dynamic elastic-plastic behaviour of a frame including coupled bending and torsion, S. Messmer and M. Sayir 114 (1989) 395
Viscoplastic deformation of rotating thin-walled disks, F.G. Kollmann 114 (1989) 405
Nonlinear structural analysis methods and their application to elevated temperature design: a US perspective, A.K. Dhalla 114 (1989) 415

Reactor concepts and systems analysis

Reliability of nuclear structures, G.I. Schuëller 114 (1989) 235

Structural design, construction methods and testing

Review of revised Japanese seismic guidelines for NPP design, M. Kato 114 (1989) 211

Miscellaneous

Political asepcts of nuclear energy, E. Kiener 114 (1989) 171
Nuclear technology in developing countries, M.R. Srinivasan and S.A. Krishnan 114 (1989) 193
Nuclear plant life expectancy indicators, L. Bertron 114 (1989) 229

Nuclear waste management and disposal

The nuclear fuel cycle, J. Rastoin and D. Bastien 114 (1989) 187

Core physics and fuel design

The effect of soluble boron on the burnup at different enrichments and assemblies, G. Gündüz and Y. Ajwah 114 (1989) 125
The nuclear fuel cycle, J. Rastoin and D. Bastien 114 (1989) 187

Nuclear safety

The finite element code FEAT to calculate temperatures in solids of arbitrary shapes, M. Tayal 114 (1989) 99
Droplet size estimation of two-phase flashing jets, M. Razzaghi 114 (1989) 115
On the safety of nuclear power plants, L.V. Konstantinov 114 (1989) 117